

What is claimed is:

1. A sliding contact seal structure used in various machines having a shaft member that comes into contact with a seal member and relatively slides with respect to the seal member, wherein a surface energy of the shaft member is 50 dyne/cm or less on a sliding contact surface of the shaft member.

2. A sliding contact seal structure according to claim 1, comprising a combination of the seal member and the shaft member, and a sum of a surface energy of the seal member and the surface energy of the shaft member being 95 dyne/cm or less on a sliding contact surface of the seal member and the sliding contact surface of the shaft member.